

**CLASS TITLE: BRIDGE SAFETY INSPECTOR**

**Class Code: 02756300**

**Pay Grade: 23A**

**EO: E**

**CLASS DEFINITION:**

**GENERAL STATEMENT OF DUTIES:** To perform technical safety inspections of bridges and related structures in accordance with pertinent federal and state guidelines; and to related work as required.

**SUPERVISION RECEIVED:** Works under the direct supervision of a superior who assigns and reviews work for completeness, accuracy and adherence to established procedures and guidelines.

**SUPERVISION EXERCISED:** Usually none.

**ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:**

To perform technical safety inspections of bridges and related structures in accordance with pertinent federal and state guidelines.

To ascend to high places on bridge structures by setting up and use of scaffolding, rigging, ladders and hydraulic equipment.

To inspect bridges for corrosion and deterioration in steel beams and girders, and to inspect concrete beams and girders for spalling, diagonal cracking and vertical cracking.

To inspect abutments, piers and bents for evidence of tilt, settlement and corrosion, and to take technical measurements to quantify and movement which has taken place.

To make technical measurements to determine if there has been any reduction in the bridge cross-sectional area.

To inspect decks, trusses, bearings and joints for deterioration or corrosion.

To provide data, including photographs and sketches, for the preparation of accurate and complete reports concerning the safety and condition of bridges.

To utilize small boats during the course of water bridge inspections.

To set up fluorescent cones and signs in order to control vehicular traffic.

To do related work as required.

**REQUIRED QUALIFICATIONS FOR APPOINTMENT:**

**KNOWLEDGES, SKILLS AND CAPACITIES:** A working knowledge of the methods and techniques of bridge safety inspections and the ability to perform such inspections; a working knowledge of federal and state guidelines relating to the safety inspection and condition rating of bridges; a working knowledge of bridge components, their purposes and interrelationships; a working knowledge of safety procedures to be employed in bridge safety inspections; the ability to ascend to and work in high places without inordinate fear; the ability to use various bridge inspection measurement devices; the ability to read and interpret simple construction plans; the ability to perform simple mathematical computations; and related capacities and abilities.

**EDUCATION AND EXPERIENCE:**

**Education:** Such as may have been gained through: graduation from a senior high school; and

**Experience:** Such as may have been gained through: employment in a technical position in the area of bridge inspection, construction, maintenance or design.

**Or,** any combination of education and experience that shall be substantially equivalent to the above education and experience.

**SPECIAL REQUIREMENT:** Must be physically qualified to perform assigned duties as evidenced by a physician's certificate.

Class Revised: June 15, 1980

Editorial Review: 3/15/03